

**ABSTRACT OF THE DISCLOSURE**

An optical fiber cable has a highly reduced diameter. The cable has a central strength member; a number of tubes containing loosely arranged optical fibers, each tube having a thickness, and each optical fiber having a coating; and a protective outer jacket, wherein the filling coefficient of optical fibers in at least one loose tube is  $\geq 45\% / 0$ . The tubes are made of a material having an elasticity modulus  $\geq 700$  MPa; and the optical fibers are SM-R fibers having a microbending sensitivity  $\leq 4.0$  dB  $\cdot$  km $^{-1}$  / g  $\cdot$  mm $^{-1}$  at a temperature of about -30°C to +60°C at about 1550nm.